



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Blaise deB. Frederick et al. Art Unit : 2859
Serial No. : 09/909,932 Examiner : Brij B. Shrivastav
Filed : July 20, 2001
Title : GENERATION OF SYNTHETIC NUCLEAR MAGNETIC RESONANCE
SIGNALS

Mail Stop Amendment

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY TO ACTION OF MAY 5, 2004

In reply to the Office Action of May 5, 2004, Applicant submits the following remarks.

The Patent Claims

Claims 1-28 and 33-36:

Examiner rejected 1-28 and 33-36 as anticipated by Briggs (US 4,707,797). There are four independent claims in the application: claims 1, 11, 20, and 25. These independent claims involve apparatuses and methods for simulating a waveform of a subject undergoing a magnetic resonance scan. Each of them requires that the generated "waveform simulates a waveform of a subject undergoing a magnetic resonance scan." Briggs does not disclose this claim requirement.

Briggs discloses a waveform generator, but Briggs uses this waveform generator in an entirely different way than is claimed here. Briggs does not involve simulation at all. While the claims involve simulating a waveform of a subject undergoing NMR imaging, Briggs teaches a waveform generator for use in NMR imaging of a subject. Briggs states, "The heart of the

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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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